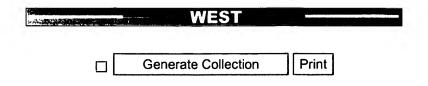
WEST Search History

09/367,748

DATE: Monday, September 01, 2003

Set Name Query side by side		Hit Count Set Name result set	
DB=USPT; PLUR=YES; OP=ADJBEST AVAILABLE COPY L17 L16 not 110 not 17 8 L17			
L17	L16 not 110 not 17	. 8	L17
L16	couperose	9	L16
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L15	couperose	1	L15
$DB=JPAB,EPAB,DWPI;\ PLUR=YES;\ OP=ADJ$			
L14	couperose	8	L14
L13	L11 and (\$11 arginine or iminobiotin or ornitine or methylisothiourea or thiocitrulline or \$10 lysine or nitroindazole or isothiourea)	2	L13
L12	L11 and (NO adj2 synthase)	6	L12
L11	rosacea or rosaceous or coperosc	404	L11
DB=PGPB; PLUR=YES; OP=ADJ			
L10	L9 not 17	14	L10
L9	(rosacea or rosaceous or coperose).ti,ab,clm. and 18	14	L9
L8	L6 and (\$11arginine or iminobiotin or ornitine or methylisothiourea or thiocitrulline or \$10lysine or nitroindazole or isothiourea)	68	L8
L7	L6 and (NO adj2 synthase)	6	L7
L6	rosacea or rosaceous or coperose	271	L6
DB=USPT; $PLUR=YES$; $OP=ADJ$			
L5	L4 not 12	9	L5
L4	(rosacea or rosaceous or coperose).ti,ab,clm. and 13	9	L4
L3	L1 and (\$11arginine or iminobiotin or ornitine or methylisothiourea or thiocitrulline or \$10lysine or nitroindazole or isothiourea)	105	L3
L2	L1 and (NO adj2 synthase)	9	L2
L1	rosacea or rosaceous or c operose	526	L1

END OF SEARCH HISTORY



L17: Entry 5 of 8

BEST AVAILABLE File: USPT

Sep 9, 1997

DOCUMENT-IDENTIFIER: US 5665365 A

TITLE: Formulations containing coumarins and the use thereof in the pharmaceutical and cosmetic fields

Brief Summary Text (2):

The present invention relates to the use of novel formulations for topical use containing combinations of coumarins, such as esculoside, esculetin, extracts containing them or mixtures thereof, with dimeric and oligomeric proanthocyanidins for the treatment of peripheral vasculopathies related to an impaired peripheral microcirculation. Moreover, the invention relates to the use of said coumarin derivatives in combination with proanthocyanidins in the cicatrization processes and in the complications of chronic venous stasis (leg heaviness, ulcus cruris) and in the treatment of internal and external hemorrhoids. In a strictly cosmetic field, the combinations are used in the treatment of unesthetisms, including blemishes and cosmetic disfiguration related to superficial capillaries (couperose), rosacea, telangiectasias and the like. It has surprisingly been found that a strong synergism exists between these coumarin derivatives and proanthocyanidins.

Brief Summary Text (4):

A number of conditions related to impaired peripheral microcirculation have resisted treatment. These include impairment of arterial and venous circulation, unesthetisms, including cosmetic disfigurements and blemishes, related to impaired capillary permeability and fragility, superficial and deep scars, internal and external hemorrhoids; conditions related to chronic venous stasis, including stasis ulcers and telangiectasias, couperose, and peripheral capillaropathies. In addition there has been a need for a treatment that will improve the rate of healing and reduce scarring following surgery or injury. The present invention addresses both these needs.

Brief Summary Text (6):

The present invention relates to topical pharmaceutical and cosmetic formulations that include coumarins, such as esculoside, esculetin, extracts containing coumarins, and, optionally, proanthocyanidins, such as proanthocyanidin A2, procyanidole oligomers extracted from Vitis vinifera and Camellia sinensis, and mixtures thereof. The formulations of the present invention can be applied to a subject to increase capillary density of the skin or other tissue. The increase in capillarity is useful in the treatment of peripheral vasculopathies related to impairment of arterial and venous circulation, and of unesthetisms, such as cosmetic disfigurations or blemishes, related to impaired capillary permeability and fragility. In particular, the claimed formulations are useful as treatments for superficial and deep scars, internal and external hemorrhoids, conditions related to chronic venous stasis, such as stasis ulcers and telangiectasias, couperose, and peripheral capillaropathies.

Brief Summary Text (10):

Analogously, these combinations are favorably used in the treatment of unesthetisms, including blemishes and cosmetic disfigurations, and on the reduction of the couperose. In the latter case, 20 individuals of both sexes were treated on one side of the face in the temporal-zygomatic area with a 1.5% esculoside and 0.5% of proanthocyanidin A2 formulation and on the other side with placebo. The treatment continued for 60 days twice a day; the evaluation of the intensity of the unesthetism was performed by means of scores and with objective evaluations measuring the colour intensity of the area treated with the combination of the invention compared with that treated with placebo. After the treatment, a 41% reduction in the couperose was observed, using the patient himself as control.